1. INITIAL SCREEN

1 When the “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode, the initial screen will be displayed and the system will begin operating.

- Images shown on the initial screen can be changed to suit individual preferences. (See page 51.)

 CAUTION

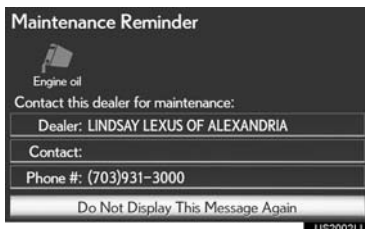
- When the vehicle is stopped with the engine running, always apply the parking brake for safety.

- After a few seconds, the “CAUTION” screen will be displayed.

- After about 5 seconds, the “CAUTION” screen automatically switches to the map screen. (If a button other than the **“MAP/VOICE”** button is pressed, the function’s corresponding screen will be displayed.)

MAINTENANCE INFORMATION

This system reminds users when to replace certain parts or components and shows dealer information (if registered) on the screen.

When the vehicle reaches a previously set driving distance or date specified for a scheduled maintenance check, the “Maintenance Reminder” screen will be displayed when the navigation system is turned on.

- This screen goes off if the screen is not operated for several seconds.
- To prevent this screen from being displayed again, touch **“Do Not Display This Message Again”**.
- To register maintenance information, see “MAINTENANCE” on page 127.

2. TOUCH SCREEN OPERATION

This system is operated mainly by the buttons on the screen. (Referred to as screen buttons in this manual.)

- When a screen button is touched, a beep sounds. (To set the beep sound, see page 46.)

NOTICE

- To prevent damaging the screen, lightly touch the screen buttons with your finger.
- Do not use objects other than your finger to touch the screen.
- Wipe off fingerprints using a glass cleaning cloth. Do not use chemical cleaners to clean the screen, as they may damage the touch screen.

INFORMATION

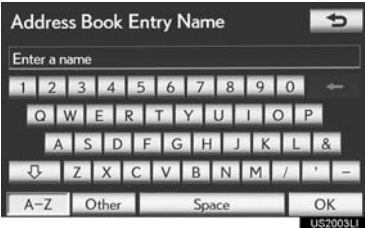
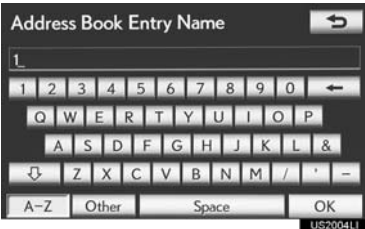
- If the system does not respond to touching a screen button, move your finger away from the screen and then touch it again.
- Dimmed screen buttons cannot be operated.
- The displayed image may become darker and moving images may be slightly distorted when the screen is cold.
- In extremely cold conditions, the map may not be displayed and the data input by a user may be deleted. Also, the screen buttons may be harder than usual to depress.
- When you look at the screen through polarized material such as polarized sunglasses, the screen may be dark and hard to see. If so, look at the screen from different angles, adjust the screen settings on the “Display” screen or take off your sunglasses.

3. INPUTTING LETTERS AND NUMBERS/LIST SCREEN OPERATION

When searching for an address or name, or entering data, letters and numbers can be input via the screen.

- Keyboard layout can be changed. (See page 50.)

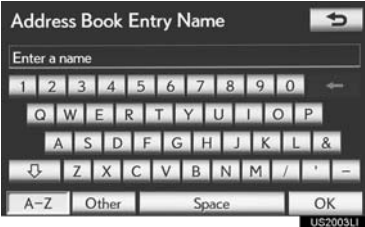
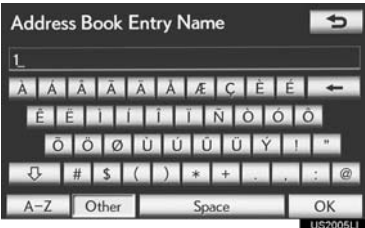
TO INPUT LETTERS AND NUMBERS

1 Touch **"A-Z"** to display the alphabet keys.

2 Touch the keys directly to enter letters or numbers.

←: Touch to erase one character. Touch and hold to continue erasing characters.

- On certain letter entry screens, letters can be entered in upper or lower case.

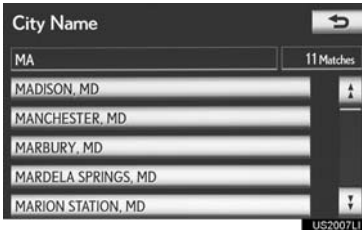
Icon	Function
⇩	Touch to enter in lower case.
⇧	Touch to enter in upper case.

TO INPUT SYMBOLS

1 Touch **"Other"** to display symbol keys.

2 Touch the symbol keys directly to enter symbols.

←: Touch to erase one symbol. Touch and hold to continue erasing symbols.

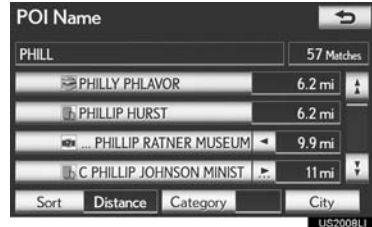
TO DISPLAY THE LIST

1 Touch **"OK"** to search for an address or a name.

- Matching items from the database are listed even if the entered address or name is incomplete.
- The list will be displayed automatically if the maximum number of characters is entered or the number of matching items is 5 or less.

INFORMATION

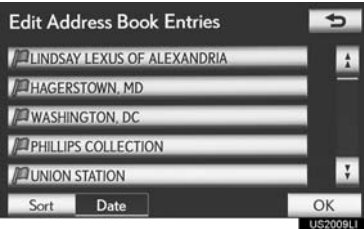
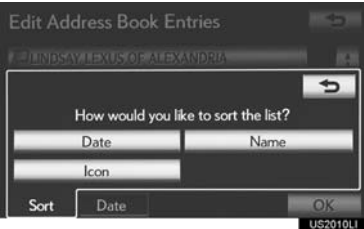
- The number of matching items is shown on the right side of the screen. If the number of matching items is more than 999, the system displays "∗∗∗" on the screen.

LIST SCREEN OPERATION

When a list is displayed, use the appropriate screen button to scroll through the list.

Icon	Function
(up/down arrows)	Touch to skip to the next or previous page. Touch and hold (up) or (down) to scroll through the displayed list.
(bar)	This indicates the displayed screen's position.
(right/left arrows)	If (right arrow) appears to the right of an item name, the complete name is too long to display. Touch (right arrow) to scroll to the end of the name. Touch (left arrow) to move to the beginning of the name.

SORTING

The order of a list displayed on the screen can be rearranged.

1 Touch **"Sort"**.

2 Touch the desired sorting criteria.

Screen button	Function
"Distance"	Touch to sort in order of distance from the current position.
"Date"	Touch to sort in order of date.
"Category"	Touch to sort in order of category.
"Icon"	Touch to sort in order of icon.
"Name"	Touch to sort in order of name.
"Brand"	Touch to sort in order of brand name. (XM functions)
"Price"	Touch to sort in order of price. (XM functions)

4. SCREEN ADJUSTMENT

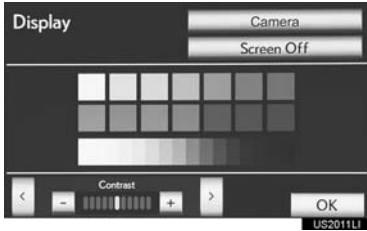
The contrast and brightness of the screen display and the image the camera displays can be adjusted. The display can also be turned off, and/or changed to either day or night mode. (For information regarding audio/video screen adjustment, see "AUDIO SCREEN ADJUSTMENT" on page 234.)

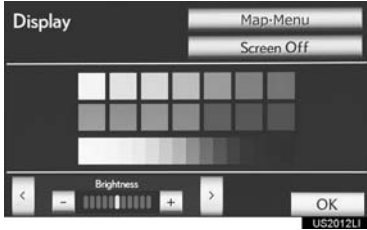
SCREEN SETTINGS ADJUSTMENT

ADJUSTING SCREEN DISPLAY AND CAMERA SETTINGS

1 Press the **"SETUP"** button.

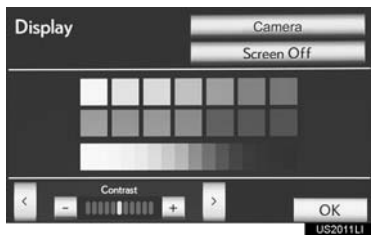
2 Touch **"Display"**.

▶ Adjusting the screen display

"Camera": Touch to adjust the image the camera displays.

▶ Adjusting the image the camera displays

"Map·Menu": Touch to return to the screen display settings.

CONTRAST AND BRIGHTNESS ADJUSTMENT

The contrast and brightness of the screen can be adjusted according to the brightness of your surroundings. The display can also be turned off.

1 Touch **"<"** or **">"** to select the desired function ("Contrast" or "Brightness").

2 Touch the desired screen button to adjust contrast and brightness.

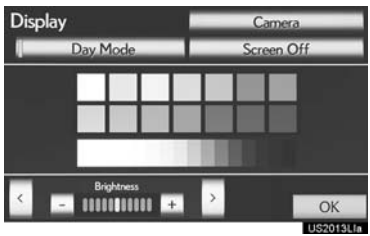
Screen button	Function
"Contrast" "+"	Touch to strengthen the contrast of the screen.
"Contrast" "-"	Touch to weaken the contrast of the screen.
"Brightness" "+"	Touch to brighten the screen.
"Brightness" "-"	Touch to darken the screen.

3 After adjusting the screen, touch **"OK"**.

- The screen goes off when **"Screen Off"** is touched. To turn the screen back on, press any button. The selected screen appears.

CHANGING BETWEEN DAY AND NIGHT MODE

Depending on the position of the headlight switch, the screen changes to day or night mode.

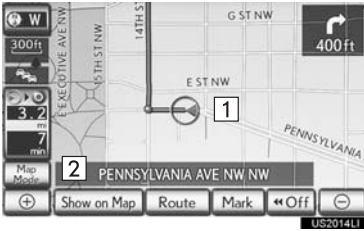
1 To display the screen in day mode, even with the headlight switch on, touch **"Day Mode"**.

- In the following conditions, the displays condition is not changed to night mode even if headlight switch is turned on:
  - The instrument panel light control switch is adjusted full brightness.
  - The vehicle is in a bright area, such as outside in direct sunlight.

INFORMATION

- If the screen is set to day mode with the headlight switch turned on, this condition is memorized even with the engine turned off.

5. MAP SCREEN OPERATION

CURRENT POSITION DISPLAY

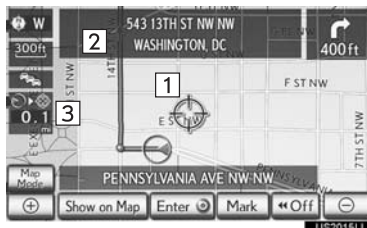
When starting the navigation system, the current position is displayed first. This screen displays the current position and a map of the surrounding area.

- The current position mark (1) appears in the center or bottom center of the map screen.
- A street name will appear on the bottom of the screen, depending on the scale of the map (2).
- The screen can be returned to this map screen that shows the current position at any time, from any screen by pressing the **"MAP/VOICE"** button.

- To correct the current position manually, see page 124.

INFORMATION

- While driving, the current position mark is fixed on the screen and the map moves.
- The current position is automatically set as the vehicle receives signals from the GPS (Global Positioning System). If the current position is not correct, it is automatically corrected after the vehicle receives signals from the GPS.
- After battery disconnection, or on a new vehicle, the current position may not be correct. As soon as the system receives signals from the GPS, the correct current position is displayed.

SCREEN SCROLL OPERATION

When any point on the map is touched, that point moves to the center of the screen and is shown by the cursor mark (1).

- Use the scroll feature to move the desired point to the center of the screen for looking at a point on the map that is different from the current position.
- If a finger touches and holds the map screen, it will continue scrolling in that direction until the finger is removed.
- A street name, city name, etc. of the touched point will be shown, depending on the scale of the map (2). Distance from the current position to ⊕ will also be shown (3).

- After the screen is scrolled, the map remains centered at the selected location until another function is activated. The current position mark will continue to move along your actual route and may move off the screen. When the **"MAP/VOICE"** button is pressed, the current position mark returns to the center of the screen and the map moves as the vehicle proceeds along the designated route.
- When the scroll feature is used, the current position mark may disappear from the screen. Press the **"MAP/VOICE"** button to display the current position on the map screen.

TO SET THE CURSOR POSITION AS A DESTINATION

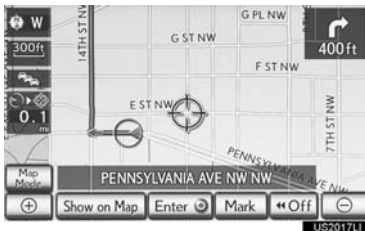
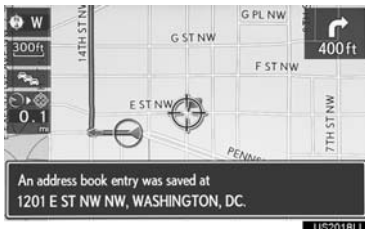
A specific point on the map can be set as a destination using the scroll function.

1 Touch **"Enter ◎"**.

- The screen changes and displays the map location of the selected destination and the route preference. (See "STARTING ROUTE GUIDANCE" on page 81.)

TO REGISTER THE CURSOR POSITION AS AN ADDRESS BOOK ENTRY

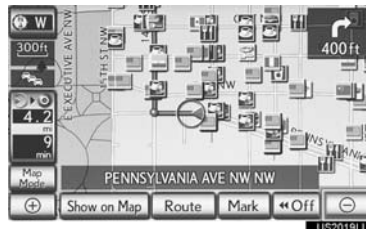
Address book entry registration enables easy access to a specific point.

1 Touch **"Mark"**.

2 This screen is displayed.

- The registered point is shown by on the map.

- To change the icon or name, etc., see "EDITING ADDRESS BOOK ENTRIES" on page 108.

INFORMATION

- Up to 100 address book entries can be registered. If there is an attempt to register more than 100 address book entries, an error message will appear.

TO SEE INFORMATION ABOUT THE ICON WHERE THE CURSOR IS SET

- To display information about an icon, set the cursor on it.

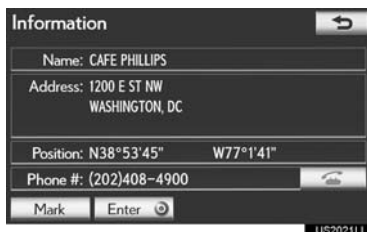
POI INFORMATION

When the cursor is set on a POI icon, the name and **"Info"** are displayed at the top of the screen.

1 Touch **"Info"**.

2

BASIC FUNCTION

2 Information such as the name, address, position and phone number are displayed.

- If **"Enter ◎"** is touched, the cursor position will be set as a destination.
- If a destination has already been set, **"Go Directly"** and **"Add to Route"** will be displayed.

"Go Directly": Touch to delete the existing destination(s) and set a new one.

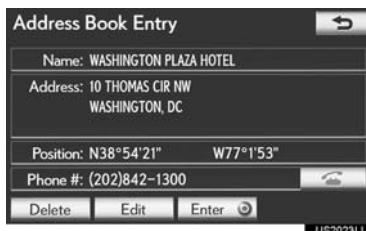
"Add to Route": Touch to add a destination.

- To register this POI as an address book entry, touch **"Mark"**. (See "REGISTERING ADDRESS BOOK ENTRIES" on page 108.)
- If [phone button] is touched, the registered phone number can be called.
- The desired POI can be displayed on the map screen. (See "DISPLAY POI ICONS" on page 98.)

ADDRESS BOOK ENTRY INFORMATION

When the cursor is set on an address book entry icon, the name and **"Info"** are displayed at the top of the screen.

1 Touch **"Info"**.

2 Information such as the name, address, position and phone number are displayed.

● If **"Enter ◎"** is touched, the cursor position will be set as a destination.

● If a destination has already been set, **"Go Directly"** and **"Add to Route"** will be displayed.

"Go Directly": Touch to delete the existing destination(s) and set a new one.

"Add to Route": Touch to add a destination.

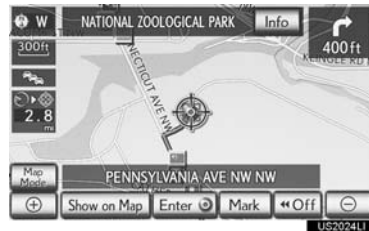
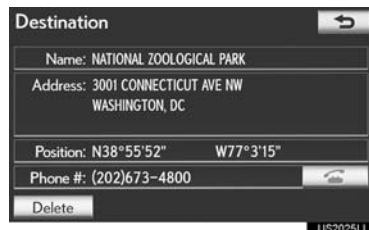
● To edit an address book entry, touch **"Edit"**. (See "EDITING ADDRESS BOOK ENTRIES" on page 108.)

● To delete an address book entry, touch **"Delete"**.

● If [phone button] is touched, the registered phone number can be called.

■ DESTINATION INFORMATION

When the cursor is set on a destination icon, the name and **"Info"** are displayed on the top of the screen.

1 Touch **"Info"**.

2 Information such as the name, address, position and phone number are displayed.

● To delete a destination, touch **"Delete"**.

● If [phone button] is touched, the registered phone number can be called.

■ XM NavTraffic® TEXT INFORMATION

When the XM NavTraffic® icon on the map screen is touched, the XM NavTraffic® information bar will appear on the upper part of the screen.

1 Touch **"Info"**.

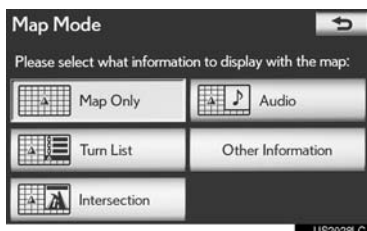
2 Traffic information will be displayed on the screen.

● To display detailed traffic event information, touch **"Detail"**.

SWITCHING THE SCREENS

Any of the screen configurations can be selected.

1 Touch **"Map Mode"**.

2 Touch the screen buttons to select the desired configuration.

● Depending on the conditions, certain screen configuration buttons cannot be selected.

Screen button	Function
"Map Only"	Touch to display the single map screen. (See page 41.)
"Turn List"	Touch to display the turn list screen. (See page 86.)
"Intersection"	Touch to display the intersection guidance screen or the guidance screen on the freeway. (See page 85.)
"Audio"	Touch to display the audio screen. (See page 41.)
"Other Information"	Touch to display the following 4 screen configurations: "Dual map", "Compass", "Turn-by-Turn Arrow" and "Freeway Exit List".
"Dual map"	Touch to display the dual map screen. (See page 42.)
"Compass"	Touch to display the compass mode screen. (See page 43.)
"Turn-by-Turn Arrow"	Touch to display the turn-by-turn arrow screen. (See page 86.)
"Freeway Exit List"	Touch to display the freeway exit list screen. (See page 84.)

SCREEN CONFIGURATIONS

MAP ONLY

This is a regular map screen.

● The screen shows the single map.

● While on a different screen, touching **"Map Only"** will display the single map screen.

AUDIO

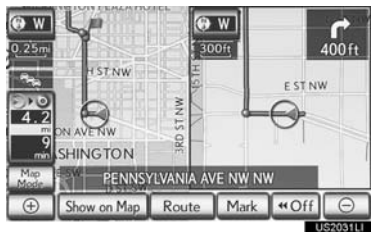
The audio screen and the map screen are displayed.

● Information on the current radio station or track is displayed.

● If a different screen is displayed, touch **"Audio"** on the "Map Mode" screen.

● For audio system operation, refer to "AUDIO/VIDEO SYSTEM OPERATION". (See page 202.)

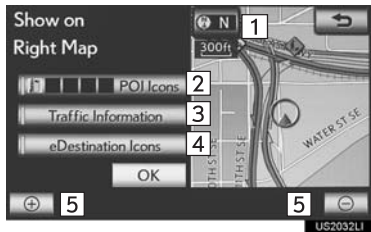
DUAL MAP

The map screen can be split into two.

- This screen shows the dual map. The map on the left is the main map.

- While on a different screen, touching **"Dual map"** will display the dual map screen.

EDITING RIGHT MAP

The right side map can be edited by touching any point on the right side map.

1 Touch the desired screen button.

- The following procedures can be performed on this screen:

No.	Function
1	Changing the orientation of the map
2	Displaying POI icons
3	Showing XM NavTraffic® information (See page 331.)
4	Displaying eDestination icons (See page 357.)
5	Changing the map scale

2 Touch **"OK"** when editing is completed.

- The screen returns to the dual map screen.

COMPASS

The current position is indicated with a compass.

- Information about the destination, current position and a compass is displayed on the screen.

- While on a different screen, touching **"Compass"** will display the compass mode screen.

INFORMATION

- The destination mark is displayed in the direction of the destination. When driving, refer to the longitude and latitude coordinates, and the compass, to make sure that the vehicle is headed in the direction of the destination.
- When the vehicle travels out of the coverage area, the guidance screen changes to the compass mode screen.

MAP SCALE

1 Touch [⊕] or [⊖] to change the scale of the map screen.

- The scale bar and indicator at the bottom of the screen indicate the map scale menu. The scale range is from 150 ft. (50 m) to 250 miles (400 km).
- Touch and hold [⊕] or [⊖] to continue changing the scale of the map screen.
- The scale of the map screen can be changed by touching the scale bar directly. This function is not available while driving.

INFORMATION

- The map scale is displayed under the north-up or heading-up symbol at the top left of the screen.
- When the map scale is at the maximum range of 250 miles (400 km), [⊖] is not shown. When the map scale is at the minimum range of 150 ft. (50 m), [⊕] is not shown. In areas where the foot print map is available the map scale changes from [⊕] to [foot print map icon] when at the minimum range.

FOOT PRINT MAP

For the area which is covered by the foot print map (Some areas in the following cities: Detroit, Chicago, N.Y., L.A), you can switch to the foot print map on a scale of 75 ft. (25 m).

TO SWITCH TO THE FOOT PRINT MAP

changes into when the map is scaled down to 150 ft. (50 m).

1 To display the foot print map, touch .

- To delete the foot print map display, touch .

INFORMATION

- If the map or the current position is moved to the area which is not covered by the foot print map, the screen scale automatically changes to 150 ft. (50 m).
- On the foot print map, a one way street is displayed by .
- It is not possible to perform scrolling on the foot print map while driving.

Building footprints in the database were created and provided by MAPMASTER.

TO DISPLAY BUILDING INFORMATION

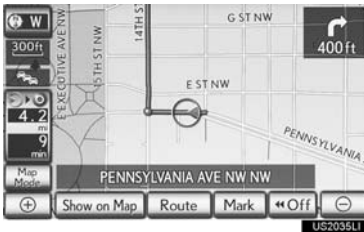
Information is available only for buildings for which information is recorded on the map data.

1 Touch **"Info"** while the foot print map is displayed.

- Details of POIs in some buildings may be displayed.
- For detailed POI information, touch the building name. Details of the touched POIs can be seen.

ORIENTATION OF THE MAP

The orientation of the map can be changed from north-up to heading-up by touching the orientation symbol at the top left of the screen.

1 Touch [north-up symbol] or [heading-up symbol].

▶ North-up screen

▶ Heading-up screen

[north-up symbol]: North-up symbol

Regardless of the direction of vehicle travel, north is always up.

[heading-up symbol]: Heading-up symbol

The direction of vehicle travel is always up.

- Both the north-up and heading-up symbols display the vehicles direction as a letter (e.g. N for north).

STANDARD MAP ICONS

Icon	Name
[icon]	Island
[icon]	Park
[icon]	Industry
[icon]	Business facility
[icon]	Airport
[icon]	Military
[icon]	University
[icon]	Hospital
[icon]	Stadium
[icon]	Shopping mall
[icon]	Golf

2

BASIC FUNCTION